

1 / 2 0

FIG. 1

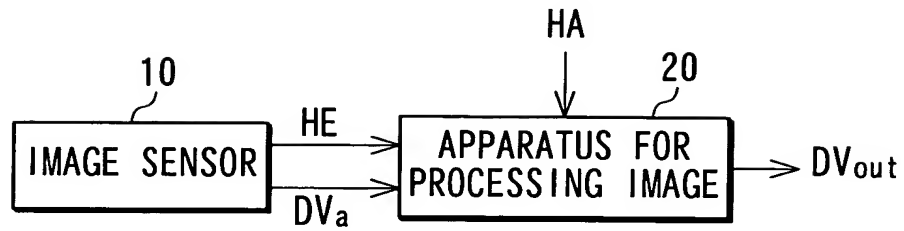
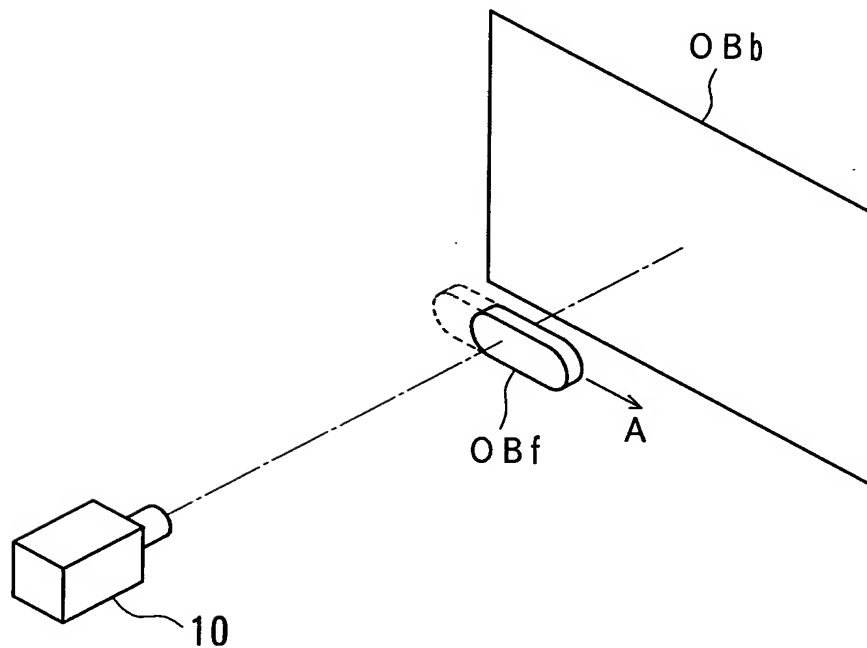


FIG. 2



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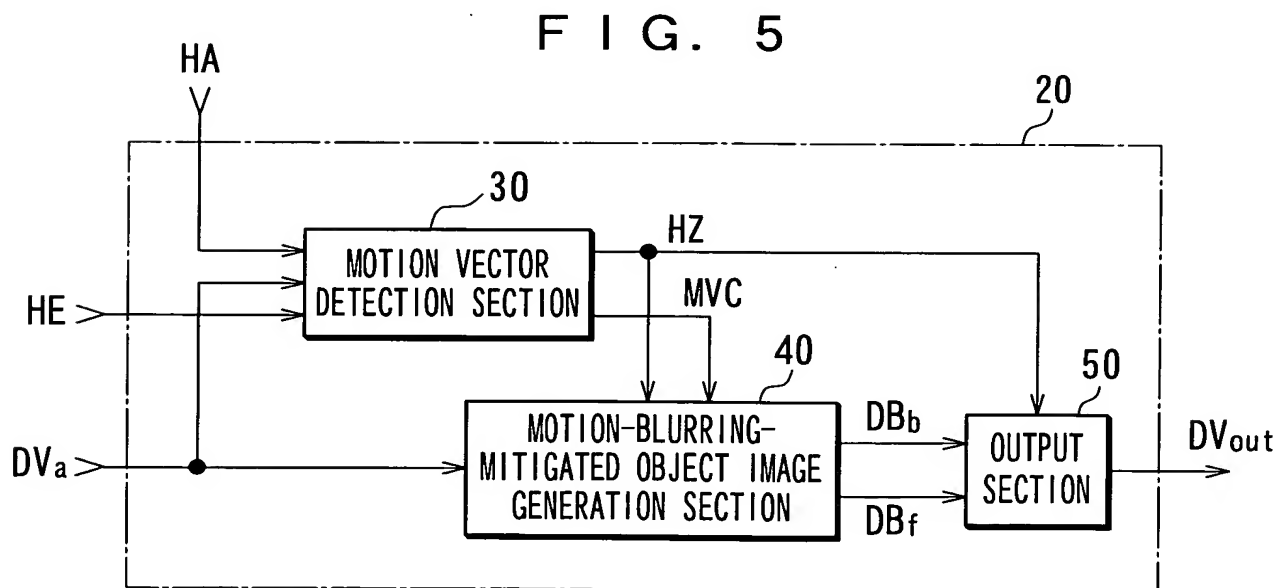
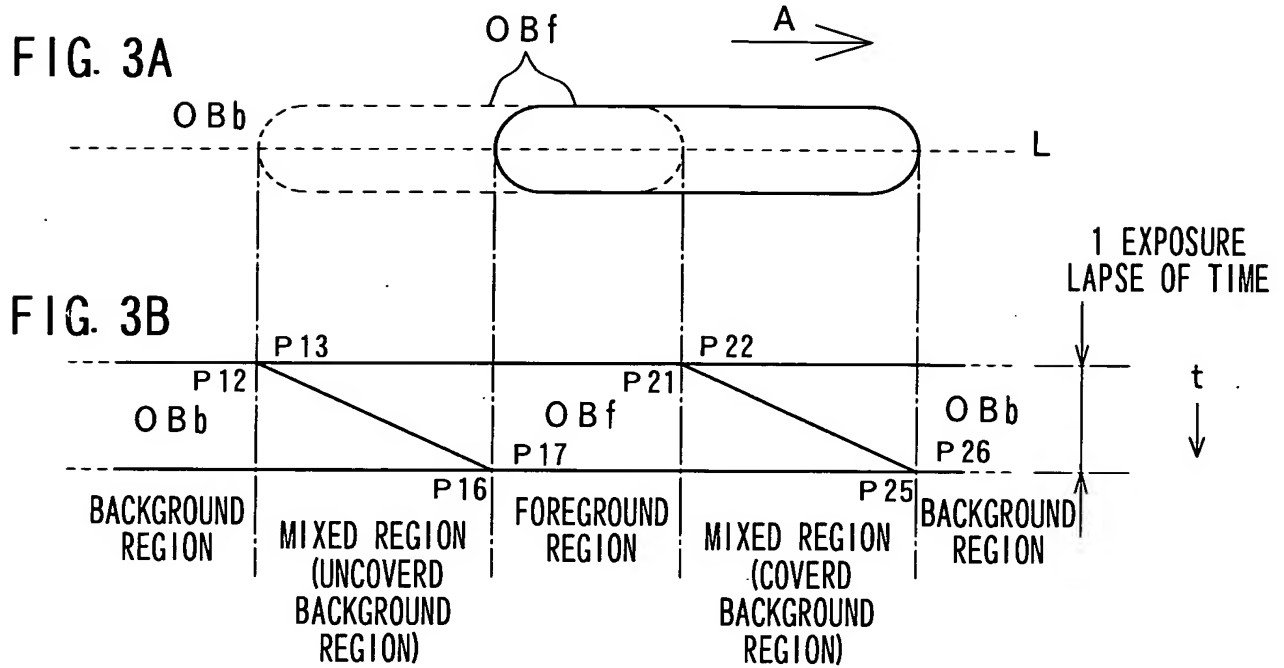
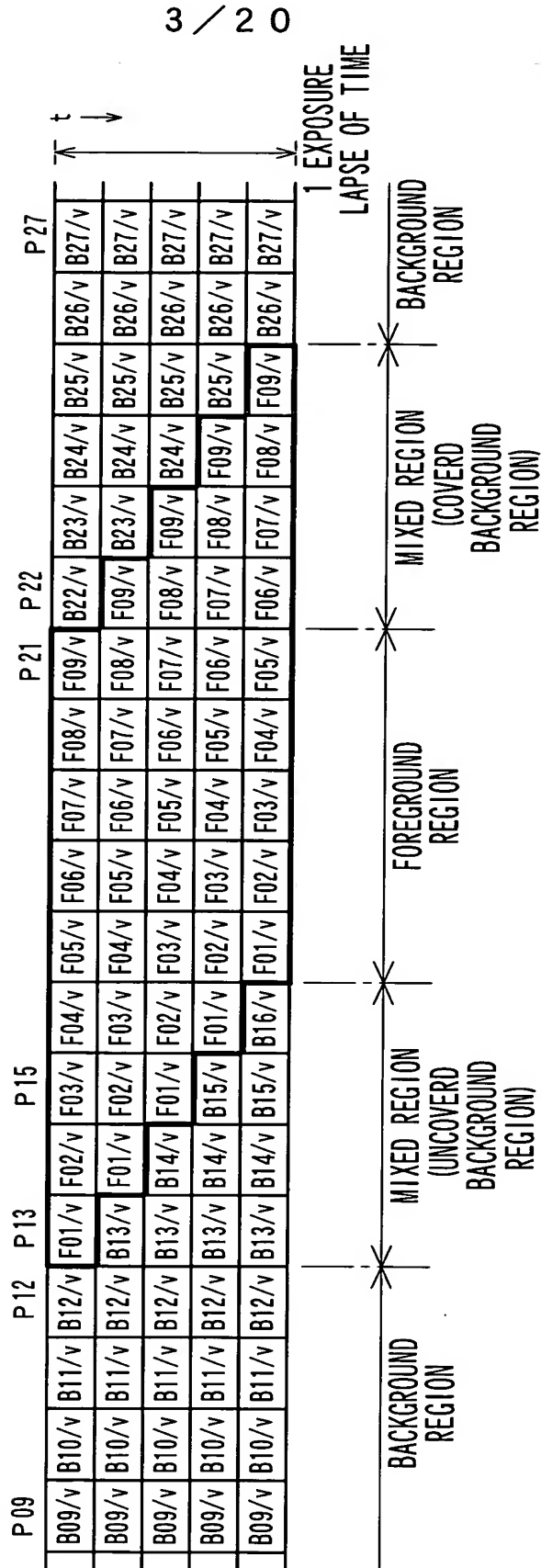


FIG. 4



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FIG. 6

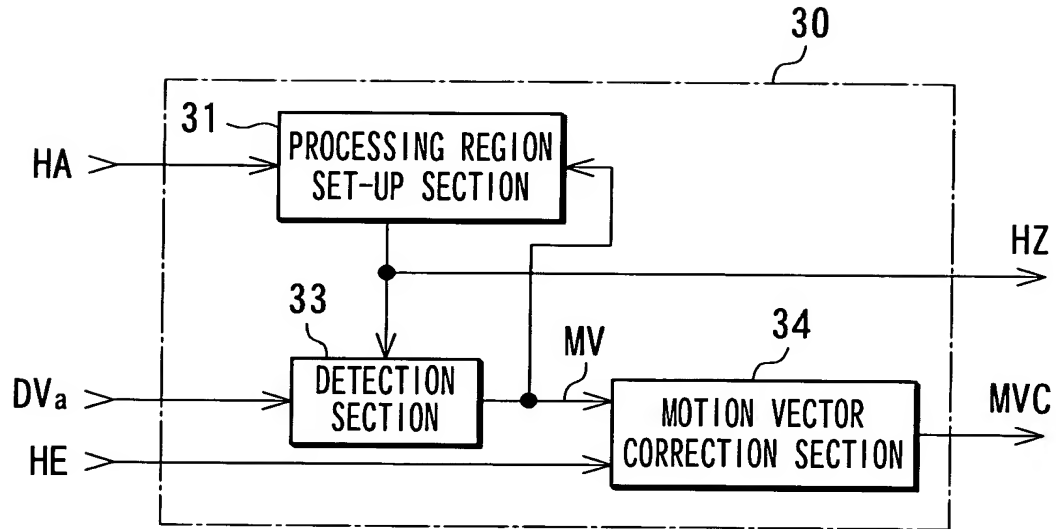
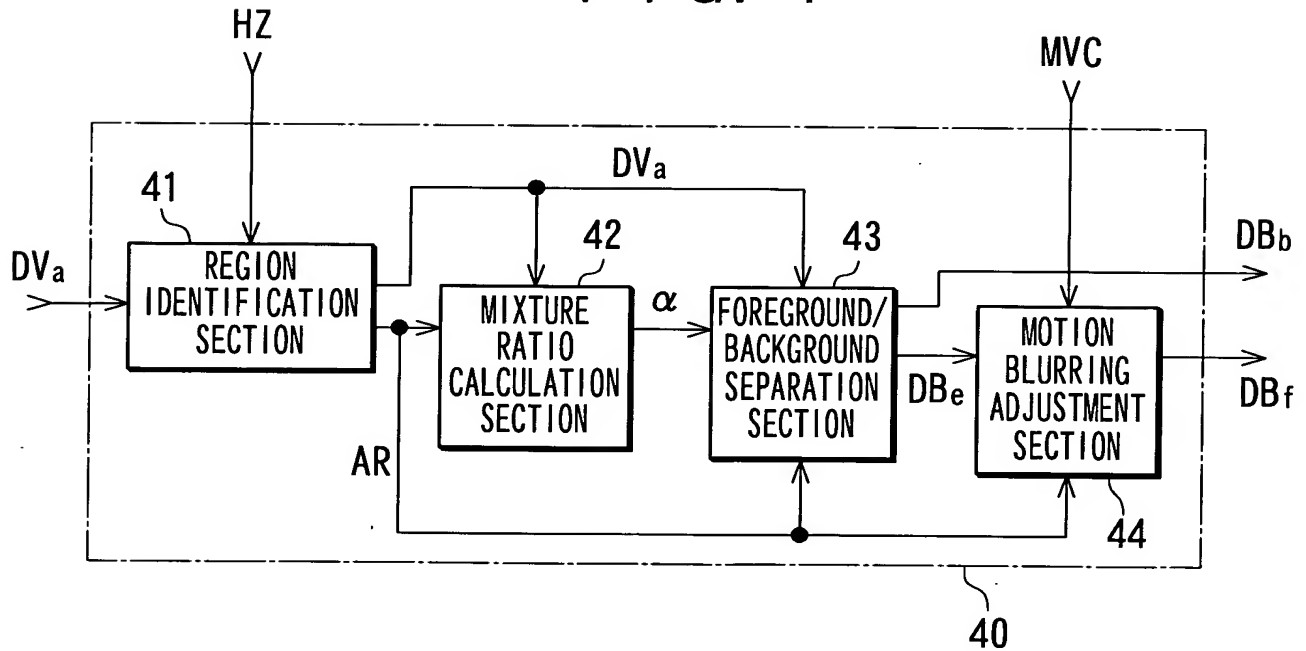
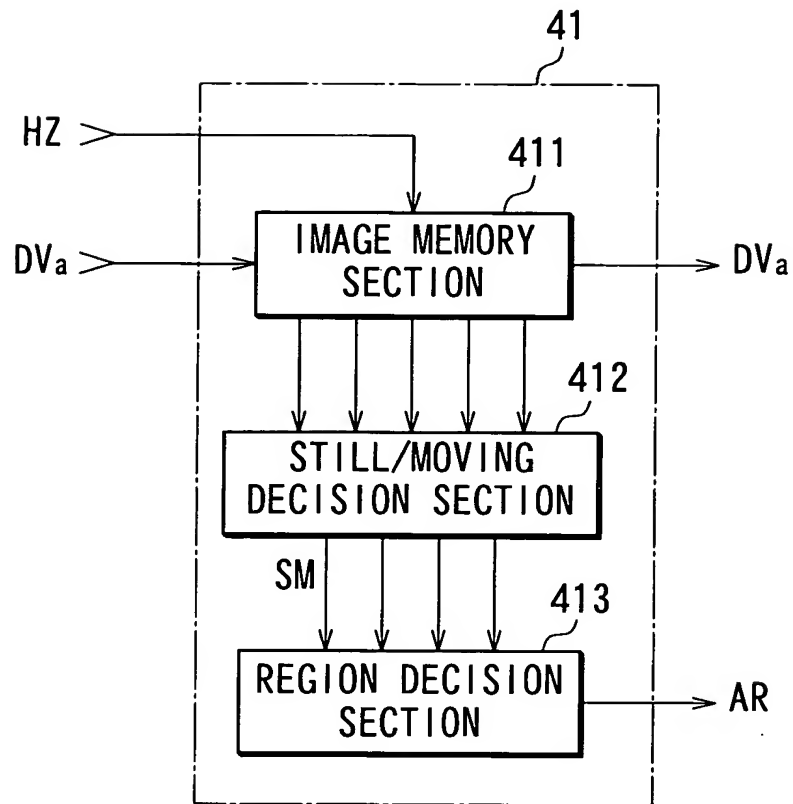


FIG. 7



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F I G. 8



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FFG

The diagram illustrates a video sequence structure across multiple frames, labeled FRAME #n-2, FRAME #n-1, FRAME #n, FRAME #n+1, FRAME #n+2, and FRAME #n. The sequence is divided into four main regions: STILL REGION, MOVING REGION, UNCOVERED BACKGROUND REGION, and COVERED BACKGROUND REGION. Each frame is represented by a grid of cells, with the top row indicating the frame number and the left column indicating the frame type (P, B, I). The cells are labeled with frame numbers and types, such as P01, P02, P03, P04, P05, P06, P07, P08, P09, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100, P101, P102, P103, P104, P105, P106, P107, P108, P109, P110, P111, P112, P113, P114, P115, P116, P117, P118, P119, P120, P121, P122, P123, P124, P125, P126, P127, P128, P129, P130, P131, P132, P133, P134, P135, P136, P137, P138, P139, P140, P141, P142, P143, P144, P145, P146, P147, P148, P149, P150, P151, P152, P153, P154, P155, P156, P157, P158, P159, P160, P161, P162, P163, P164, P165, P166, P167, P168, P169, P170, P171, P172, P173, P174, P175, P176, P177, P178, P179, P180, P181, P182, P183, P184, P185, P186, P187, P188, P189, P190, P191, P192, P193, P194, P195, P196, P197, P198, P199, P200, P201, P202, P203, P204, P205, P206, P207, P208, P209, P210, P211, P212, P213, P214, P215, P216, P217, P218, P219, P220, P221, P222, P223, P224, P225, P226, P227, P228, P229, P230, P231, P232, P233, P234, P235, P236, P237, P238, P239, P240, P241, P242, P243, P244, P245, P246, P247, P248, P249, P250, P251, P252, P253, P254, P255, P256, P257, P258, P259, P260, P261, P262, P263, P264, P265, P266, P267, P268, P269, P270, P271, P272, P273, P274, P275, P276, P277, P278, P279, P280, P281, P282, P283, P284, P285, P286, P287, P288, P289, P290, P291, P292, P293, P294, P295, P296, P297, P298, P299, P300, P301, P302, P303, P304, P305, P306, P307, P308, P309, P310, P311, P312, P313, P314, P315, P316, P317, P318, P319, P320, P321, P322, P323, P324, P325, P326, P327, P328, P329, P330, P331, P332, P333, P334, P335, P336, P337, P338, P339, P340, P341, P342, P343, P344, P345, P346, P347, P348, P349, P350, P351, P352, P353, P354, P355, P356, P357, P358, P359, P360, P361, P362, P363, P364, P365, P366, P367, P368, P369, P370, P371, P372, P373, P374, P375, P376, P377, P378, P379, P380, P381, P382, P383, P384, P385, P386, P387, P388, P389, P390, P391, P392, P393, P394, P395, P396, P397, P398, P399, P400, P401, P402, P403, P404, P405, P406, P407, P408, P409, P410, P411, P412, P413, P414, P415, P416, P417, P418, P419, P420, P421, P422, P423, P424, P425, P426, P427, P428, P429, P430, P431, P432, P433, P434, P435, P436, P437, P438, P439, P440, P441, P442, P443, P444, P445, P446, P447, P448, P449, P450, P451, P452, P453, P454, P455, P456, P457, P458, P459, P460, P461, P462, P463, P464, P465, P466, P467, P468, P469, P470, P471, P472, P473, P474, P475, P476, P477, P478, P479, P480, P481, P482, P483, P484, P485, P486, P487, P488, P489, P490, P491, P492, P493, P494, P495, P496, P497, P498, P499, P500, P501, P502, P503, P504, P505, P506, P507, P508, P509, P510, P511, P512, P513, P514, P515, P516, P517, P518, P519, P520, P521, P522, P523, P524, P525, P526, P527, P528, P529, P530, P531, P532, P533, P534, P535, P536, P537, P538, P539, P540, P541, P542, P543, P544, P545, P546, P547, P548, P549, P550, P551, P552, P553, P554, P555, P556, P557, P558, P559, P560, P561, P562, P563, P564, P565, P566, P567, P568, P569, P570, P571, P572, P573, P574, P575, P576, P577, P578, P579, P580, P581, P582, P583, P584, P585, P586, P587, P588, P589, P590, P591, P592, P593, P594, P595, P596, P597, P598, P599, P600, P601, P602, P603, P604, P605, P606, P607, P608, P609, P610, P611, P612, P613, P614, P615, P616, P617, P618, P619, P620, P621, P622, P623, P624, P625, P626, P627, P628, P629, P630, P631, P632, P633, P634, P635, P636, P637, P638, P639, P640, P641, P642, P643, P644, P645, P646, P647, P648, P649, P650, P651, P652, P653, P654, P655, P656, P657, P658, P659, P660, P661, P662, P663, P664, P665, P666, P667, P668, P669, P670, P671, P672, P673, P674, P675, P676, P677, P678, P679, P680, P681, P682, P683, P684, P685, P686, P687, P688, P689, P690, P691, P692, P693, P694, P695, P696, P697, P698, P699, P700, P701, P702, P703, P704, P705, P706, P707, P708, P709, P710, P711, P712, P713, P714, P715, P716, P717, P718, P719, P720, P721, P722, P723, P724, P725, P726, P727, P728, P729, P730, P731, P732, P733, P734, P735, P736, P737, P738, P739, P740, P741, P742, P743, P744, P745, P746, P747, P748, P749, P750, P751, P752, P753, P754, P755, P756, P757, P758, P759, P760, P761, P762, P763, P764, P765, P766, P767, P768, P769, P770, P771, P772, P773, P774, P775, P776, P777, P778, P779, P780, P781, P782, P783, P784, P785, P786, P787, P788, P789, P790, P791, P792, P793, P794, P795, P796, P797, P798, P799, P800, P80

7 / 2 0

F I G. 1 0

REGION DETERMINATION	STILL/MOVING DECISION ON FRAMES #n-2 AND #n-1	STILL/MOVING DECISION ON FRAMES #n-1 AND #n	STILL/MOVING DECISION ON FRAMES #n AND #n+1	STILL/MOVING DECISION ON FRAMES #n+1 AND #n+2	DECISION LOGIC
STILL REGION		STILL	STILL		OR
COVERD BACKGROUND REGION	STILL	MOVING			AND
UNCOVERD BACKGROUND REGION			MOVING	STILL	AND
MOVING REGION		MOVING	MOVING		AND

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FIG. 11

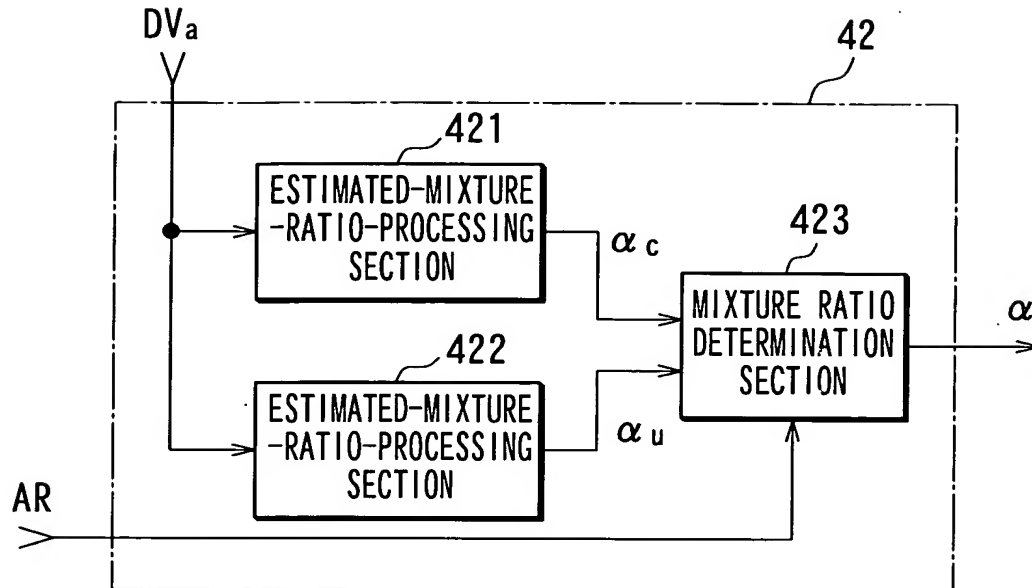
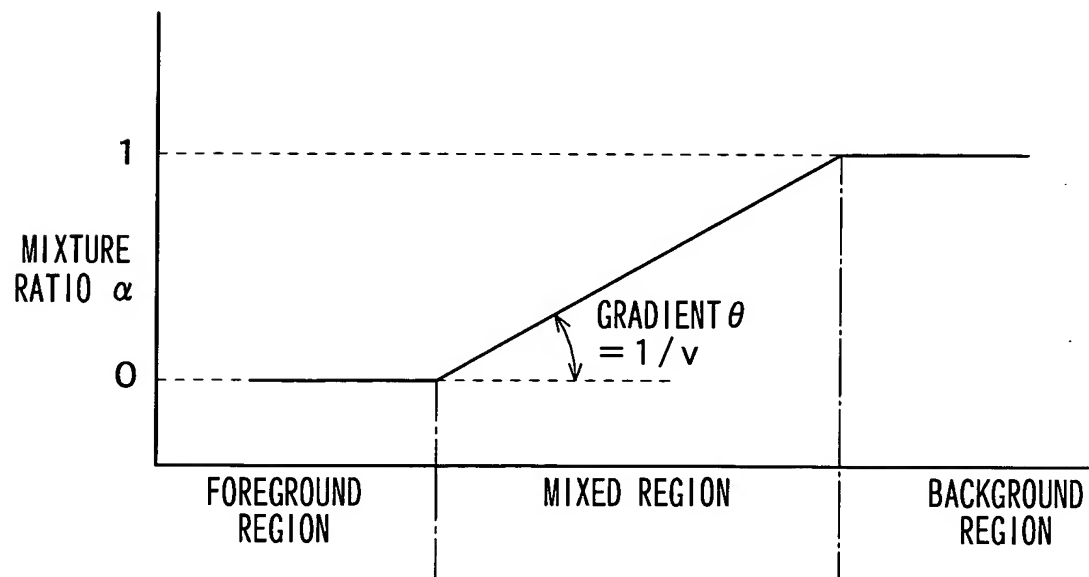


FIG. 12



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FIG. 13

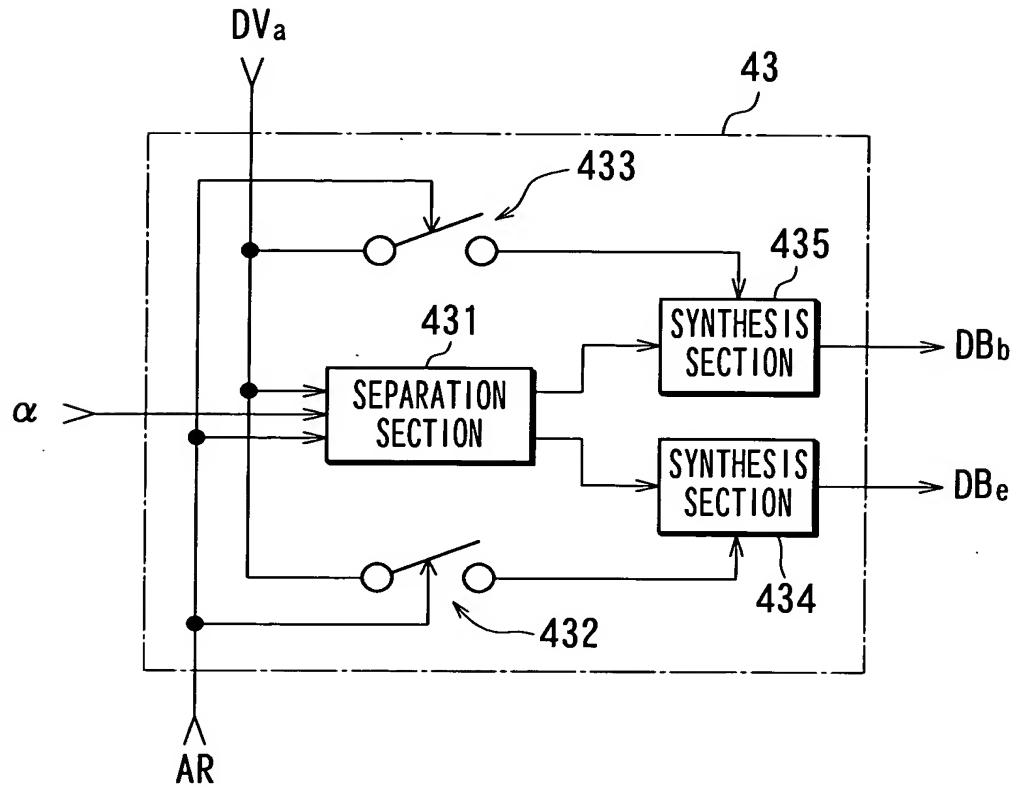
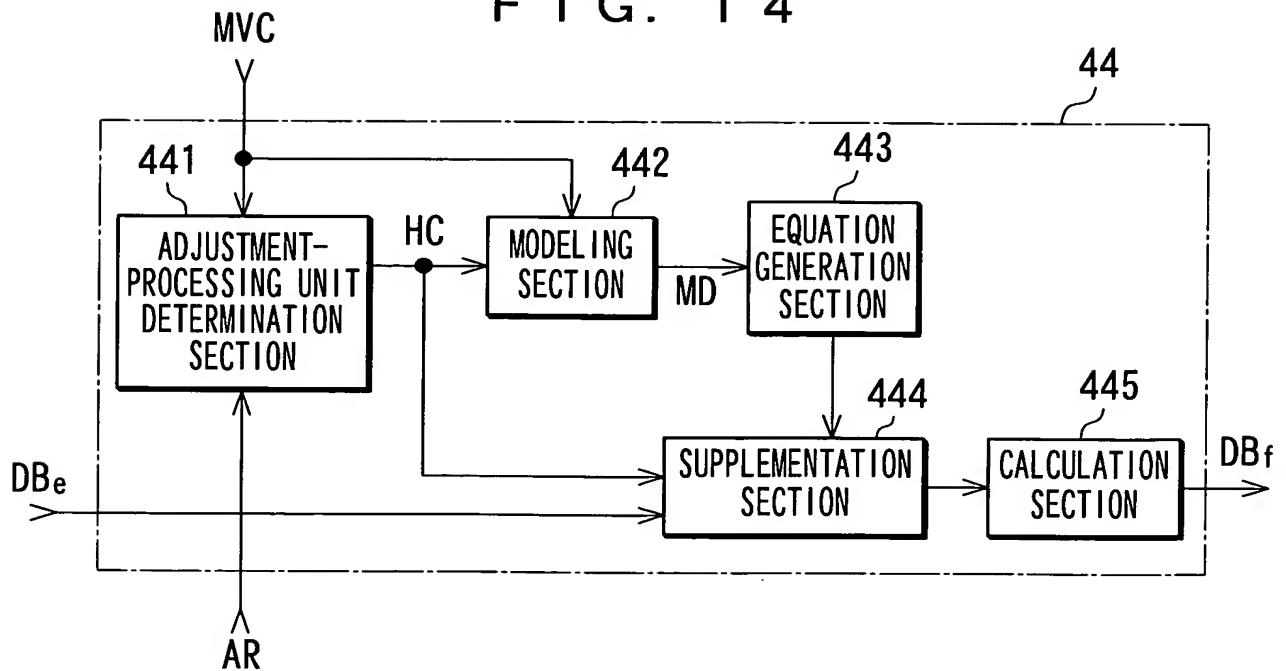


FIG. 14



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FIG. 15

F01/v	F02/v	F03/v	F04/v	F05/v	F06/v	F07/v	F08/v	F09/v					
	F01/v	F02/v	F03/v	F04/v	F05/v	F06/v	F07/v	F08/v	F09/v				
		F01/v	F02/v	F03/v	F04/v	F05/v	F06/v	F07/v	F08/v	F09/v			
			F01/v	F02/v	F03/v	F04/v	F05/v	F06/v	F07/v	F08/v	F09/v		
				F01/v	F02/v	F03/v	F04/v	F05/v	F06/v	F07/v	F08/v	F09/v	F09/v

C01

C13

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FIG. 16

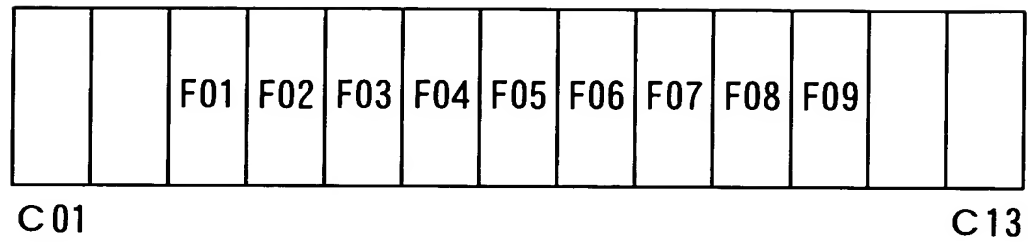
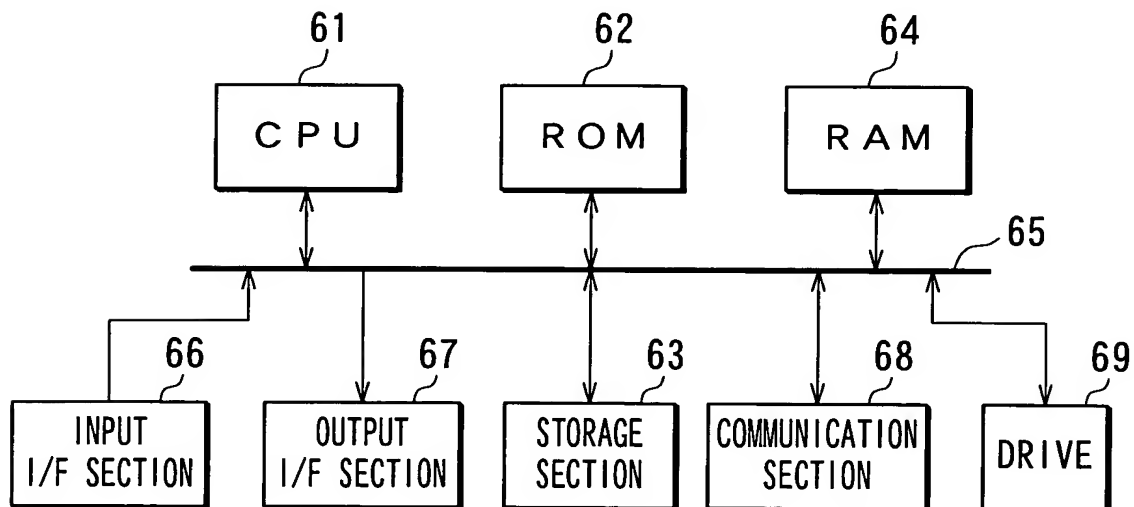
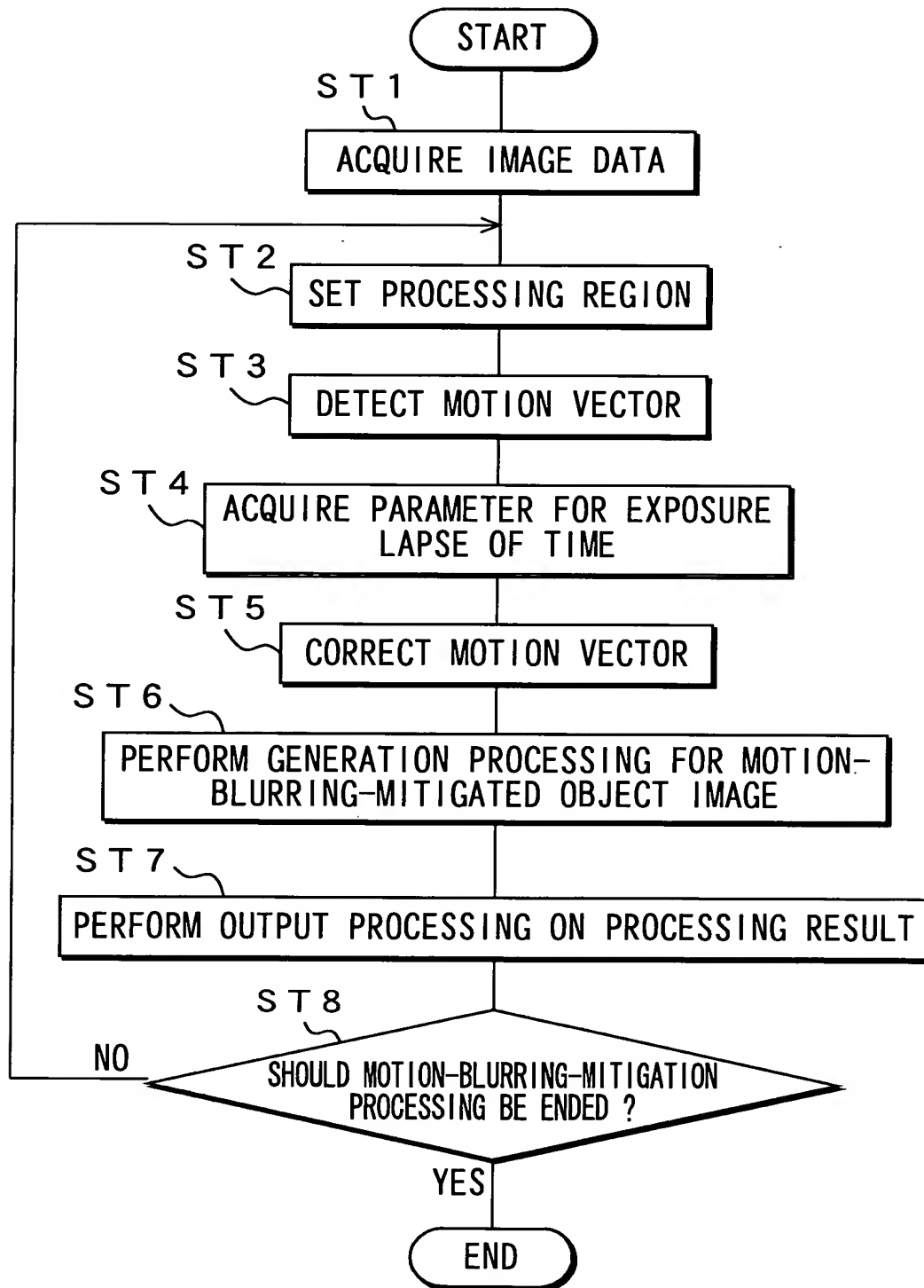


FIG. 17



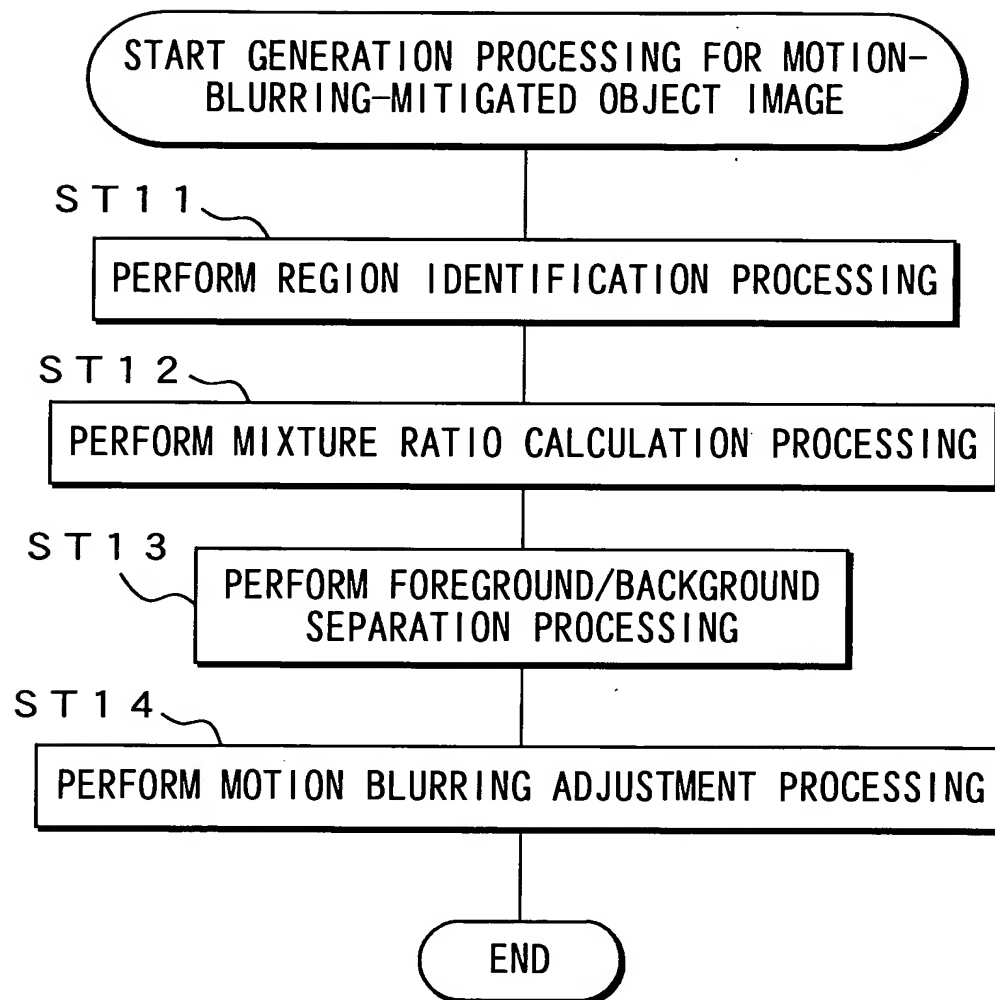
1 2 / 2 0

FIG. 18



1 3 / 2 0

FIG. 19



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FIG. 20

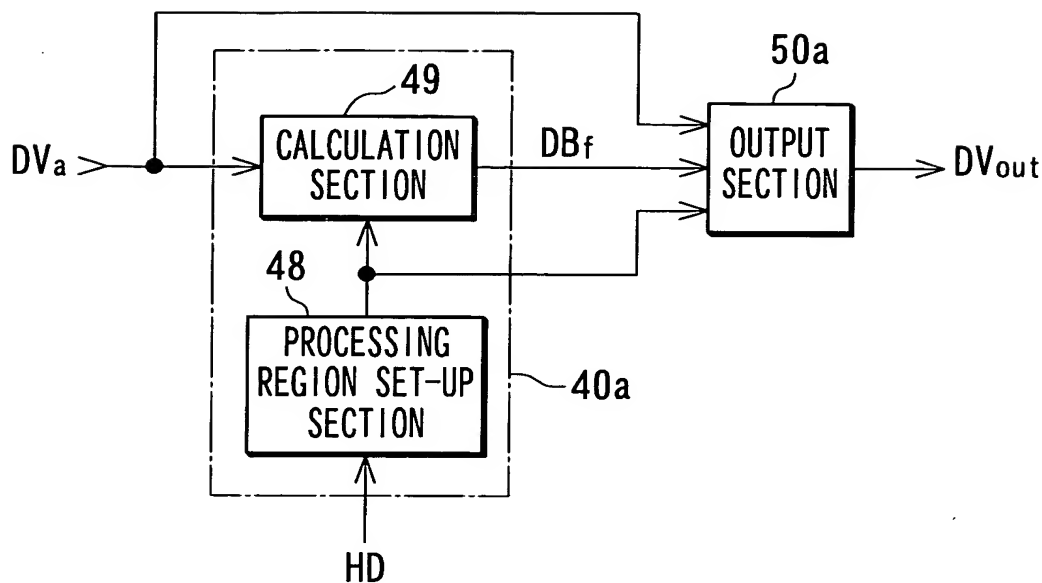
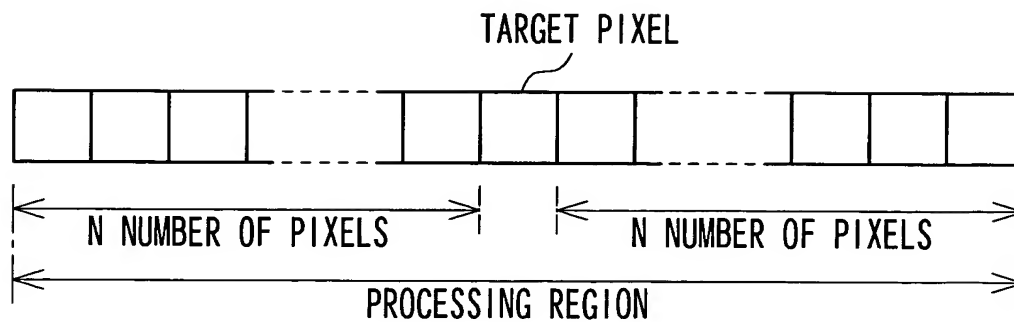


FIG. 21



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FIG. 22A

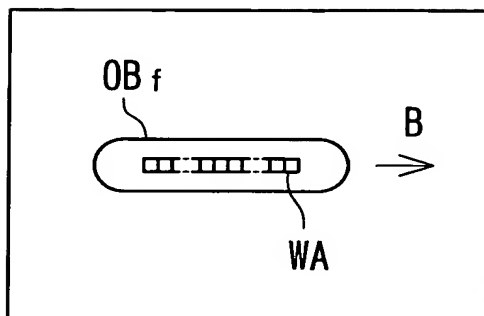


FIG. 22B

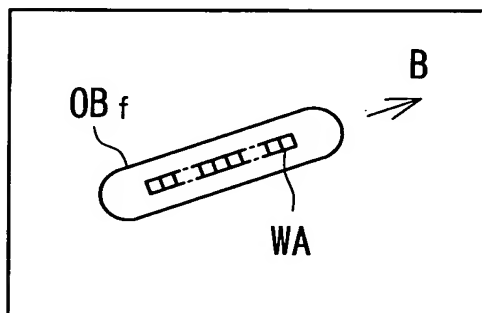


FIG. 23

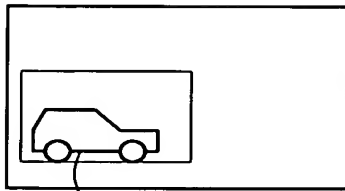
TARGET PIXEL

Y-4/v	Y-3/v	Y-2/v	Y-1/v	Y0/v	Y1/v	Y2/v	Y3/v	Y4/v	Y5/v	Y6/v	Y7/v	Y8/v
Y-5/v	Y-4/v	Y-3/v	Y-2/v	Y-1/v	Y0/v	Y1/v	Y2/v	Y3/v	Y4/v	Y5/v	Y6/v	Y7/v
Y-6/v	Y-5/v	Y-4/v	Y-3/v	Y-2/v	Y-1/v	Y0/v	Y1/v	Y2/v	Y3/v	Y4/v	Y5/v	Y6/v
Y-7/v	Y-6/v	Y-5/v	Y-4/v	Y-3/v	Y-2/v	Y-1/v	Y0/v	Y1/v	Y2/v	Y3/v	Y4/v	Y5/v
Y-8/v	Y-7/v	Y-6/v	Y-5/v	Y-4/v	Y-3/v	Y-2/v	Y-1/v	Y0/v	Y1/v	Y2/v	Y3/v	Y4/v

N NUMBER OF PIXELS (N=6) N NUMBER OF PIXELS (N=6)
 PROCESSING REGION

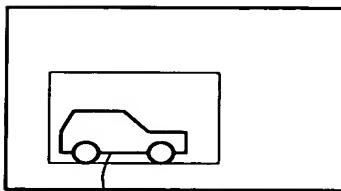
MOVEMENT
QUANTITY
(v=5)

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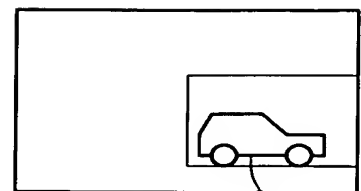
OBf

FIG. 24A



OBf

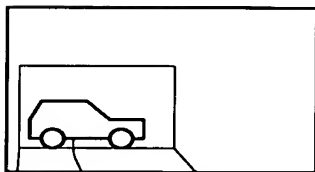
FIG. 24B



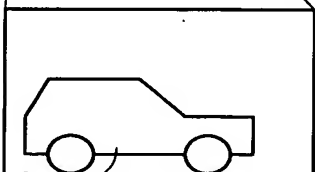
OBf

FIG. 24C

FIG. 25A



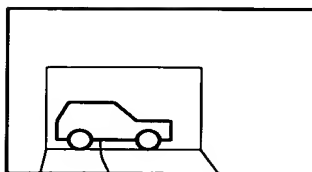
OBf



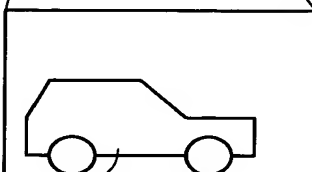
OBf

FIG. 25D

FIG. 25B



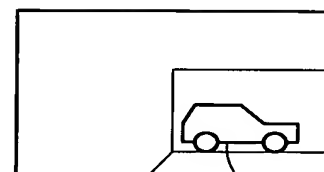
OBf



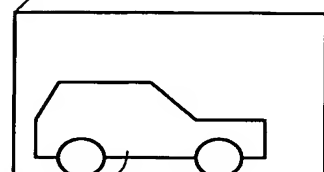
OBf

FIG. 25E

FIG. 25C



OBf

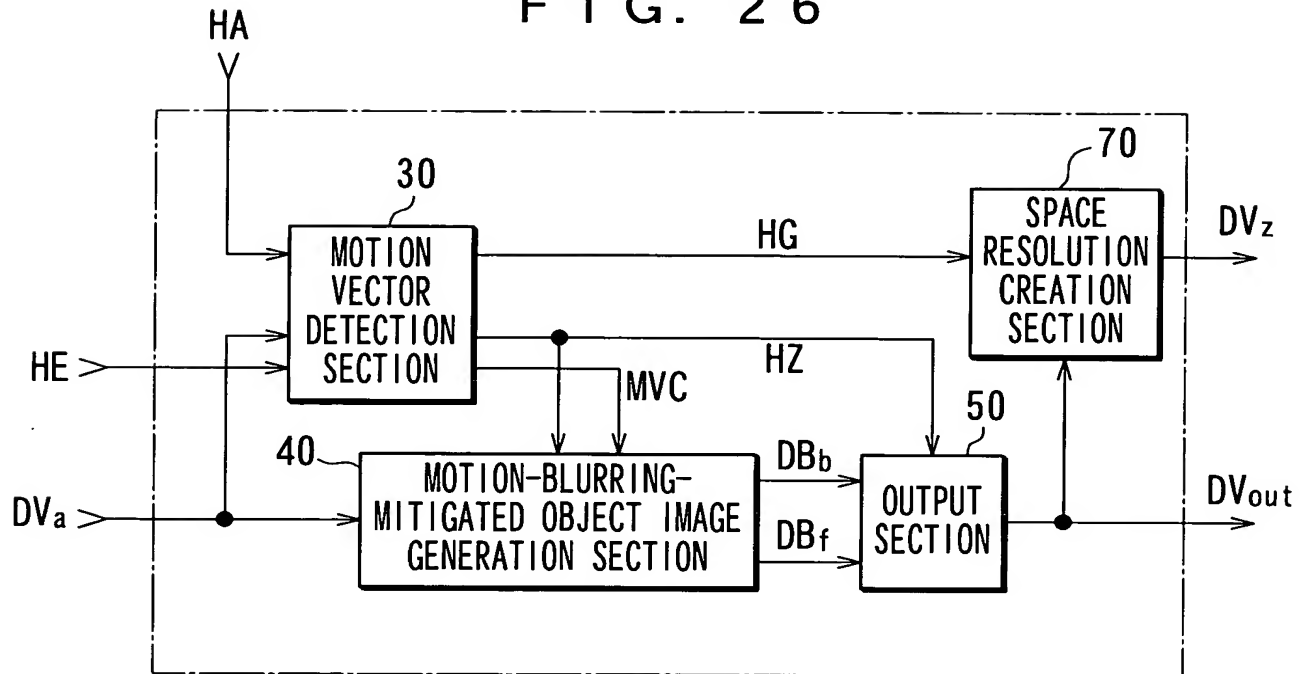


OBf

FIG. 25F

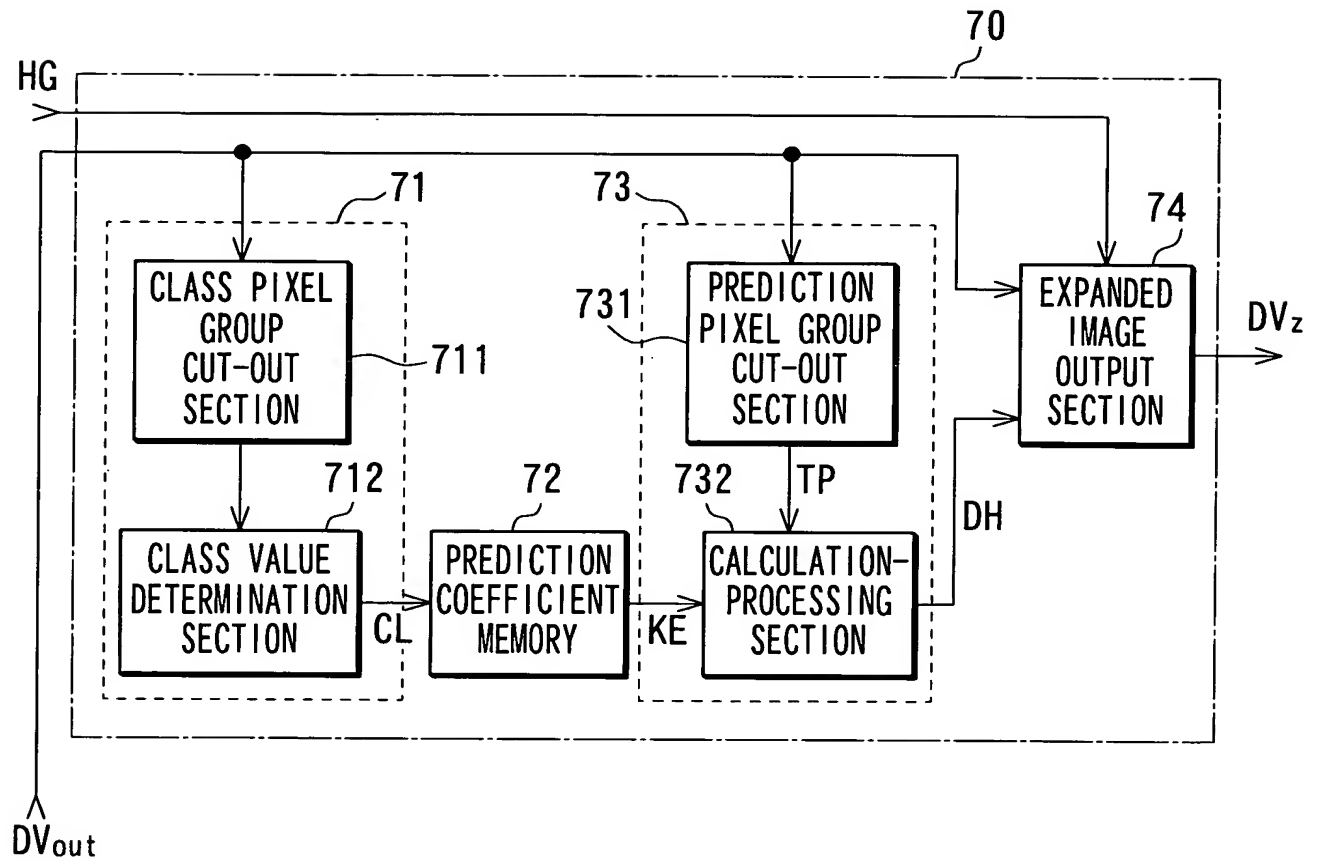
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FIG. 26



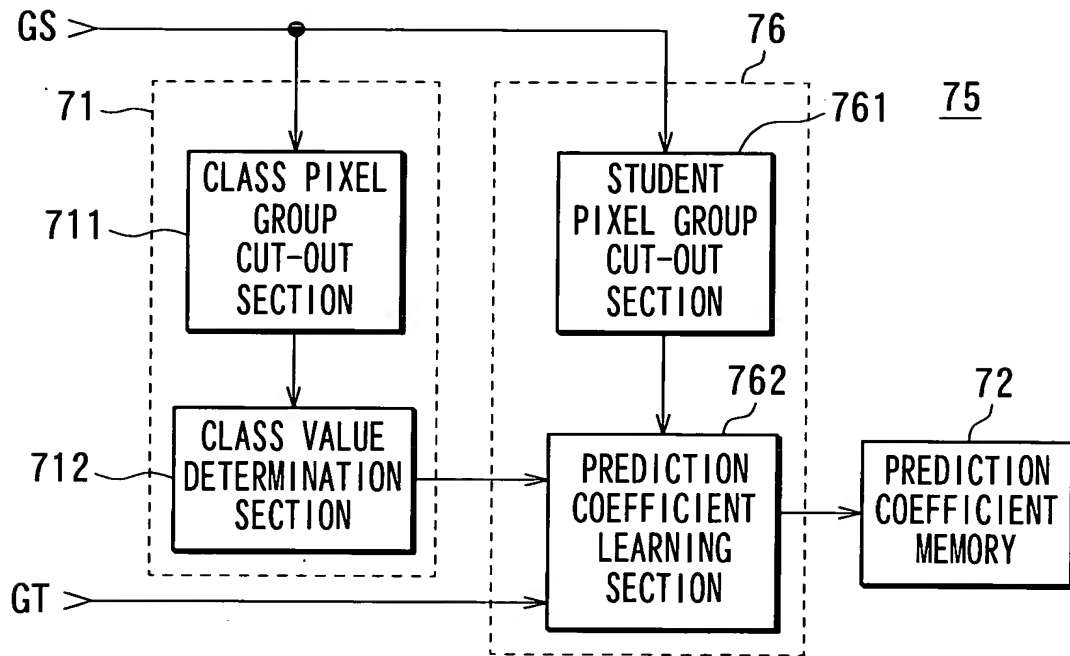
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FIG. 27



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FIG. 28



2.0 / 2.0

FIG. 29

